Pneumatic tools

www.uniortools.com
Future tools

Have you ever asked yourself why modern industrial plants and workshops are equipped with pneumatic and not with electric hand tools?

Such tools have a lot of advantages over electric tools due to its safety, duration, and economy. Up until now, these tools have convinced many vehicle painters, welders or construction workers, but they found their place also in industrial manufacturing and in the process of setting up various products.

Unior’s pneumatic tools are a welcome addition during hard work on steel constructions, bridges and in shipbuilding. There are always tasks which demand feeling and accuracy, or difficult-to-reach places which cannot be reached with larger tools.

With Unior’s pneumatic tools, each task will be mastered properly and with feeling, and you will save hours of time-consuming handwork.
Why pneumatic tools?

Economy
The advantage over pneumatic tools can already be noticed on the electricity bill. It is considerably lower when these tools are used intensely, because the compressor for the production of certain kinetic energy uses less electricity than an equal sum of electric tools.

Durability
Pneumatic tools last for hours of uninterrupted intense work and have longer useful life than electric tools. Because they do not have a motor, they cannot overheat and overload. Practically they do not need any maintenance.

Safety
There is no risk of electrical stroke or explosion – among all working appliances with their own propulsion, pneumatic tools are the safest and can be used with no hesitation also in damp places or wet surfaces.

Ergonomics
Because there is no (electro) motor that could hinder work, planners can closer the form to ideal ergonomic shape and intended use. For the same reason, pneumatic tools are lighter than electric tools, which is especially important when working with the tools the whole day.

Contact information
UNIOR d.d.
Kovaška cesta 10, 3214 ZREČE, Slovenia

T: +386 3 757 81 00
F: +386 3 576 26 43

E: sales@unior.si

Photographs in this catalogue are symbolic.

Legend of symbols used in catalogue

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### How to fasten with the right wrench?

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### How to connect Unior Pneumatic tools?

- **Alternative connection between article 1508 A and 1508 B when working on the cleanest surfaces (for example the dashboard of a car).**

### Air Supply

- **Maximum air pressure:** 9.5 bar

- **Inlet thread:**
  - 3/8" = 617748 (11x16/12m)
  - 1/4" = 617746 (6.5x10/12m)
  - 1/4" = 617747 (8x12/12m)

- **Art. 1501**
  - 617736

- **Art. 1502**
  - 617737

- **Art. 1503**
  - 617735

- **Art. 1504**
  - 617745 (11x16/9m)
  - 617744 (8x12/9m)

- **Art. 1505**
  - 3/8" = 617748 (11x16/9m)
  - 3/8" = 617748 (11x16/12m)

- **Art. 1506**
  - 617745 (11x16/9m)
  - 617746 (6.5x10/9m)

- **Art. 1507**
  - 617743 (6.5x10/9m)
  - 617744 (8x12/9m)

- **Art. 1508**
  - 617768

- **Art. 1509**
  - 617767

- **Art. 1510**
  - 617797
  - 617798
  - 621455
  - 621456
  - 621457

How to connect Unior Pneumatic tools?

www.uniortools.com
For a perfect surface

The advantage of this silent and compact tool is its ergonomically shaped handle, which allows good grip and prevents slipping, on the other hand it is suitable for left-handers as well as for right-handers. The sander has an additional function of sucking dust that is produced during work. It is also distinguished with a handy switch and a silent and powerful drive. It operates on the principle of eccentric circular moves without producing vibrations. On the working platform, the pneumatic sander does not leave edges and is therefore suitable for larger surfaces. An integrated speed regulator allows all kinds of works – from aggressive sanding to soft smoothening during finishing works.

Advantages
- The ergonomic shape of the handle enables good grip and prevents gliding
- Suitable for left-handers as well as for right-handers
- Silent and powerful drive
- Handy on/off switch
- Exhausation of parts into a bag for a cleaner workplace
- Flexible and robust pipe for cleaning dust
- It does not leave edges on the working platform
- Better work conditions due to minimal vibrations
- Extreme power based on its weight (1.2 kg)

Use
- Vehicle workshops
- Preparation of different working platforms for further process
- Ideal for grinding construction steel, metals and wood

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Free speed 10,000 revolutions per minute
Maximum working pressure: 6.2 bar
Air consumption: 212 l/min
Air inlet: 1/4"
VELCRO™ sander pad
Operating principle of the sander

It operates on the principle of eccentric circular moves, as shown in the picture. The VELCRO™ system enables a simple fastening of the sanding pad. An additional exhaust of the sander prevents dusting in the room.

The basis of sander is VELCRO™ system which is: quick, simple and safe to mount and unmount various sander pads. This system is being used for various occasions - the best known example is training shoes with VELCRO™ fastening.

The advantage of the sander pad

Environmentally friendly polyurethane foam which prevents vibrations

Durable and fiberglass-covered surface

Suction of dust from the working platform
**Enormous striking power**

The stroke pneumatic hammer is used for repairing and handling of bodywork, cutting body sheet and screws, removing welds and other things.

Besides that, it is also suitable for working on various types of walls, concrete, stones, bricks, steel, and alloy of light metals. For each type of material and work, a suitable Unior chisel is needed. The pneumatic stroke hammer has a change retainer, with which change of chisels is much easier, so the work with such tool becomes more efficient and safe to use.

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**Advantages**

- Light and compact tool, used also in small rooms
- Wide range of use
- Change retainer

**Use**

- Car industry
- Cutting of sheet metal and screws
- Removal of welds
- Working on walls, concrete, stones, bricks, steel, light metals

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### Spare parts

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<td>617715</td>
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* alternate change retainer for art. 1514 (617717)
* alternate spring for art. 1514 (617716)
Chisels for stroke pneumatic hammer art. 1514

- **Flat chisel 1514 A1**: Shaping and cleaning of welds, trimming of bolts and nails, production of slots, cleaning and evening of uneven surfaces.
- **Pointed chisel 1514 A2**: Removing pins and rivets, making holes.
- **Rivet and welding slag chisel 1514 A3**: Removing rivets and welding slags.
- **Sheet cutting chisel 1514 A4**: Cutting sheet metal.
- **“v” edge chisel 1514 A5**: Cutting sheet metal.
- **Spade chisel 1514 A6**: Shaping and cleaning of welds, trimming of bolts and nails, production of slots, cleaning and evening of uneven surfaces.
Less vibrations, more power

The pneumatic drill enables exact drilling into metals. The speed and rotation direction are adaptable, the handle, made of plastic material, eases the vibrations, which enables full controlled drilling. This lightweight, handy, but powerful drill is suitable also because of its quick change retainer. The robust body and qualitative production ensure a long useful life of the product. Pneumatic drills are an ideal working solution in workshops and industrial manufacturing.

Advantages

- Extreme power based on its size
- Lightweight, compact and easy-to-master tool
- Handy turn-on switch
- Ergonomically shaped handle of plastics material dampens vibrations
- Reversible turning
- Quick change retainer
Pneumatic drill with handle

Advantages

- Extreme power based on size
- Lightweight and easy-to-master tool
- Adjustable handle for better support
- Handy turn-on switch
- Ergonomically shaped handle for work without effort
- Plastic cover for handle dampens vibrations
- Reversible turning
- Quick change retainer

Specifications:

- Reversible turning
- Free speed: 800 revolutions per minute
- Maximum working pressure: 6.2 bar
- Air consumption: 113 l/min
- Air Inlet: 1/4”
- Chuck capacity: 1.5 - 13 mm
- Spindle thread: 3/8”, 24 UNF
- Internal hose size: 10 mm

Durable housing with very good weight/power ratio

The adjustable handle offers additional support, prevents slipping of hands

Quick change retainer 3/8” enables simple exchange of various drills

Simple switching of the direction of rotation

The handle is soft and protects the user from “cold” and vibrations

Fast switch which needs a minimal force for turning on the tool
**Extensive power in small packages**

The pneumatic die grinder is meant for finishing precision engineering, tooling, car- and aeronautical industry. It is especially suitable for grinding, polishing, milling, shaping or cleaning of welds and products of metal, glass, plastic materials or wood. All kinds of standard grind, polish plugs and grinding caps that are available on the market can be used.

### Advantages
- Safety lever for prevention of accidental turn-on
- Simple clamping of thin cut-off wheels (grinding/polishing pins) and other parts/extensions
- Extreme power based on size
- Lightweight and compact tool
- Continuously variable regulation of rpm

### Use
- Precise grinding
- Full grinding
- Tool industry
- Car industry
- Aeronautical industry
- Cleaning of welds
- Cleaning of concrete and wall surfaces
- Cleaning of wooden surfaces
- Removal of colours and varnish
- Removal of rust
- Grinding of bearings
- Grinding of motor valves
- Grinding of gears and coils
- Various other surfaces

### Specifications
- Free speed 25,000 revolutions per minute
- Maximum working pressure: 6.2 bar
- Air consumption: 113 l/min
- Air inlet: 1/4”
- Collet capacity: 6 mm
- Internal hose size: 10 mm
1516A  Pneumatic angle die grinder

The angle type of the pneumatic die grinder allows us to reach places unable to reach with standard pneumatic die grinders.

Advantages
- This angle edition enables access to difficult-to-reach places which normal grinders cannot reach
- Safety lever which prevents accidental turn-on
- Simple clamping of thin cut-off wheels (grinding/polishing pins) and other parts/extensions
- Extreme power based on size
- Small and compact tool
- Continuously variable regulation of rpm

Use
- Precise grinding
- Full grinding
- Tool industry
- Car industry
- Aeronautical industry
- Cleaning of welds
- Cleaning of concrete and wall surfaces
- Cleaning of wooden surfaces
- Removal of colours and varnish
- Removal of rust
- Grinding of bearings
- Grinding of motor valves
- Grinding of gears and coils
- Various other surfaces

• Free speed: 20,000 revolutions per minute
• Maximum working pressure: 6.2 bar
• Air consumption: 113 l/min
• Air inlet: 1/4”
• Collet capacity: 6 mm
• Internal hose size: 10 mm

The rubber protecting the user from vibrations is soft to the touch.

Fast and simple continuously variable regulation of rpm

Safety lever which prevents accidental turn-on and injuries to the user.

Quick change retainer of the grinder makes the work much easier and saves time when retaining due to two enclosed wrenches.

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Use
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- Tool industry
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- Cleaning of welds
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- Grinding of motor valves
- Grinding of gears and coils
- Various other surfaces

• Free speed: 20,000 revolutions per minute
• Maximum working pressure: 6.2 bar
• Air consumption: 113 l/min
• Air inlet: 1/4”
• Collet capacity: 6 mm
• Internal hose size: 10 mm

The rubber protecting the user from vibrations is soft to the touch.
Adaptability on request

The handy pneumatic angle sander is used for light works in manufacturing, especially in the car industry.

This angle sander is well-built and equipped with a handle which can be placed on the left or on the right side of the tool. When trying to work in small and difficult-to-reach places, the handle can be removed.

The polishing paper is placed on the carrying surface of the tool with the help of a fastening nut, which has to be fastened by hand first and afterwards with the enclosed wrench.

Pneumatic angle sander

Advantages
- Light and compact tool
- Suitable for left-handers as well as right-handers
- Removable handle
- Handy turn-on switch

Use
- Grinding of welds
- Grinding of sharp edges
- Reparation of small uneven surfaces

- Free speed: 4,500 revolutions per minute
- Maximum working pressure: 6.2 bar
- Air consumption: 340 l/min
- Air inlet: 1/4”
- Internal hose size: 10 mm
- Spindle thread: 5/8”
Polishing without effort

The pneumatic polisher is used especially in the car industry. The polisher is well-built and equipped with an adjustable handle which can be placed on the left or on the right side of the tool. When trying to work in small and difficult-to-reach places, the handle can be removed.

This polisher has less rpm than grinding machines; therefore special polishing textile can be placed on the carrying surface. It is not fastened with a nut, but only with a suction cup to the polishing textile.

1517P Pneumatic angle polisher

Advantages
- Light and compact tool
- Suitable for left-handers as well as right-handers
- Removable handle
- Handy turn-on switch

Use
- Grinding of welds
- Grinding of sharp edges
- Reparation of small uneven surfaces

- Free speed 2,500 revolutions per minute
- Maximum working pressure: 6.2 bar
- Air consumption: 340 l/min
- Air inlet: 1/4”
- Internal hose size: 10 mm
- Spindle thread: 5/8”
**Without extra layers**

It is used to perform various kinds of work. It removes extra material like rust, colour and similar very fast. It is suitable for shaping of welds and for grinding various complex forms and cutting construction materials.

Tool is supplied with replaceable handle and protection from fast spinning parts which protects the user from injuries of potential flying parts.

A tool safety mechanism prevents unwanted switch-on of the tool and so protects the user from accidental threats or injuries. Saying so, the user cannot turn on the switch by pressing only the switch, but first has to shift the safety lever which prevents unwanted turn-on.

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**Pneumatic angle grinder**

**Advantages**
- Safety lever prevents unwanted turn-on
- Removable handle
- Protection from rotating parts
- Also usable in small rooms/places

**Use**
- Tooling
- Cleaning of welds
- Cutting profile carriers and sheet metal
- Cleaning of concrete, walls and wooden surfaces
- Removal of colours varnish and rust
- Other home use

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- Free speed: 11.000 revolutions per minute
- Maximum working pressure: 6.2 bar
- Air consumption: 170 l/min
- Air inlet: 1/4"
- Spindle thread: 3/8"
Pneumatic ratchets

Unlimited ways of use

The Unior ratchet is a must-have tool in car repairs, domestic workshops, and nearly all other demanding industrial businesses. This well-produced implementation of the tool's head enables greater flexibility in difficult-to-reach places and a wider spectrum of use. It is adaptable to the user’s hand, making it easy to use and at the same time enables fast change of the tool working direction. Endurable gear wheels are produced in accordance with the most demanding quality standards.

Advantages

- Light and compact tool
- Quality production
- Handy turn-on switch
- Fast and handy adjustment of the rotation direction
- Sluice-gate enabling prevention of air inlet into the tool

Use

- Car industry
- Agricultural equipment
- Heavy industry
- Larger construction machinery
- Individual mounting

Important!

- The use of Unior IMPACT sockets is recommended.

Pneumatic reversible ratchet 3/8”

- Free speed: 250 revolutions per minute
- Max. torque: 27 Nm
- Maximum working pressure: 6.2 bar
- Air consumption: 71 l/min
- Air inlet: 1/4”
- Max. bolt size: M6

Pneumatic reversible ratchet 1/2”

- Free speed: 160 revolutions per minute
- Max. torque: 81 Nm
- Maximum working pressure: 6.2 bar
- Air consumption: 113 l/min
- Air inlet: 1/4”
- Max. bolt size: M10

1531
1551

17
Universal use for different types of work

Unior’s pneumatic hammers with controlled torque enable fast screwing (fastening and unfastening) and can handle the most hard-to-handle nuts and oxidized screws. They are universal and can therefore be used in different types of mounting where maximum torques and forces are needed. They are becoming more and more popular also in domestic garages.

The basic functions of all Unior pneumatic hammers are the same as – they all enable torque adjustment and determination of the direction of rotation, but differ from the maximum torque, way of regulation and overall maximum socket size.

3/8” pneumatic reversible hammer

Advantages
- Controlled torque
- Fast screwing
- Wide range of use

Use
- Car industry
- Agricultural equipment
- Heavy industry
- Shipbuilding
- Aeronautical industry
- Larger construction machinery
- Individual mounting

Important!
- Always use Unior IMPACT sockets.

3/8" pneumatic reversible hammer

- Free speed: 10,000 revolutions per minute
- Max. torque: 244 Nm
- Maximum working pressure: 6.2 bar
- Air consumption: 71 l/min
- Air inlet: 1/4"
- Max. bolt size: M10

How to set the rotation direction of the tool.
### 1/2” pneumatic reversible hammer

- **Free speed:** 8,000 revolution per minute
- **Max. torque:** 678 Nm
- **Maximum working pressure:** 6.2 bar
- **Air consumption:** 113 l/min
- **Air inlet:** 1/4”
- **Max. bolt size:** M16

### Specifications

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<th>Torque [Nm]</th>
<th>Max. bolt size</th>
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<td>M16</td>
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<tr>
<td>1562</td>
<td>813</td>
<td>M18</td>
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### 1/2” pneumatic reversible hammer

- **Free speed:** 7,000 revolution per minute
- **Max. torque:** 813 Nm
- **Maximum working pressure:** 6.2 bar
- **Air consumption:** 119 l/min
- **Air inlet:** 1/4”
- **Max. bolt size:** M18

### Specifications

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<th>Max. bolt size</th>
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<td>M16</td>
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<tr>
<td>1562</td>
<td>813</td>
<td>M18</td>
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### Additional Specifications

- **Model:** 615321
- **Type:** 1/2”
- **A:** 190
- **L:** 188
- **Torque:** 678
- **Max. bolt size:** M16

- **Model:** 615322
- **Type:** 1/2”
- **A:** 192
- **L:** 204
- **Torque:** 813
- **Max. bolt size:** M18
### 3/4” pneumatic reversible hammer

- Free speed: 6.500 revolution per minutes
- Max. torque: 1.016 Nm
- Maximum working pressure: 6.2 bar
- Air consumption: 198 l/min
- Air inlet: 1/4”
- Max. bolt size: M24

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### 1” pneumatic reversible hammer

- Free speed: 4.000 revolution per minutes
- Max. torque: 2.439 Nm
- Maximum working pressure: 6.2 bar
- Air consumption: 340 l/min
- Air inlet: 1/2”
- Max. bolt size: M36

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### 3/4” pneumatic reversible hammer

- Free speed: 5.500 revolution per minutes
- Max. torque: 1.491 Nm
- Maximum working pressure: 6.2 bar
- Air consumption: 269 l/min
- Air inlet: 3/8”
- Max. bolt size: M30

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### 1.1/2” pneumatic reversible hammer

- Free speed: 3.000 revolution per minutes
- Max. torque: 3.388 Nm
- Maximum working pressure: 6.2 bar
- Air consumption: 410 l/min
- Air inlet: 1/2”
- Max. bolt size: M45

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### 1” pneumatic reversible hammer

- Free speed: 4.000 revolution per minutes
- Max. torque: 2.439 Nm
- Maximum working pressure: 6.2 bar
- Air consumption: 340 l/min
- Air inlet: 1/2”
- Max. bolt size: M36

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Sets of stroke pneumatic hammers

**1514PB**
Stoke pneumatic hammer, with set of chisels in plastic box

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**1535**
Pneumatic ratchet and IMPACT socket set 3/8” in plastic box

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**1545**
Pneumatic hammer and IMPACT socket set 3/8” in plastic box

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<td>8, 10, 11, 12, 13, 15, 17</td>
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<tr>
<td>1374</td>
<td>50 ml</td>
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**1555**
Pneumatic ratchet and IMPACT socket set 1/2” in plastic box

<table>
<thead>
<tr>
<th>Art.</th>
<th>Dim.</th>
<th>1551</th>
<th>45</th>
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<tbody>
<tr>
<td>231.4/4</td>
<td>75, 125</td>
<td></td>
<td></td>
</tr>
<tr>
<td>231.8/4</td>
<td>10-14, 15-32</td>
<td></td>
<td></td>
</tr>
<tr>
<td>231/4 6p</td>
<td>10, 13, 14, 17, 19, 21, 22, 24</td>
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<tr>
<td>1374</td>
<td>50 ml</td>
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**1565**
Pneumatic hammer and IMPACT socket set 1/2” in plastic box

<table>
<thead>
<tr>
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<th>Dim.</th>
<th>1561</th>
<th>175</th>
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<tbody>
<tr>
<td>231.4/4</td>
<td>75, 125</td>
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<td>231.8/4</td>
<td>10-14, 15-32</td>
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<tr>
<td>231/4 6p</td>
<td>10, 13, 14, 17, 19, 21, 22, 24, 27</td>
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<tr>
<td>1374</td>
<td>50 ml</td>
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</table>

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**1575**
Pneumatic hammer and IMPACT socket set 3/4” in plastic box

<table>
<thead>
<tr>
<th>Art.</th>
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<th>240</th>
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</thead>
<tbody>
<tr>
<td>232/4 6p</td>
<td>19, 24, 27, 32, 36, 41</td>
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### Pneumatic equipment

#### Pneumatic duster

- **Model:** 1508A
- **Description:** Long pneumatic duster
- **Specifications:**
  - Maximum working pressure: 10.9 bar
  - Air consumption: 220 l/min

#### Pneumatic filter regulator and lubricator 1/4”

- **Model:** 1500
- **Specifications:**
  - Air inlet: 1/4”
  - Maximum working pressure: 9.5 bar
  - Air consumption: 600 l/min
  - Working pressure: 0.5-8.5 bar
  - Working temperature: 5-60 °C
  - Filtering grade: 5µ
  - Filter capacity: 15 ml
  - Lubricator capacity: 25 m

#### Long pneumatic duster

- **Model:** 1508B
- **Specifications:**
  - Maximum working pressure: 10.9 Bar
  - Air consumption: 220 l/m

#### Pneumatic filter regulator and lubricator 3/8”

- **Model:** 1501
- **Specifications:**
  - Air inlet: 3/8”
  - Maximum working pressure: 9.5 bar
  - Air consumption: 1.800 l/min
  - Working pressure: 0.5-8.5 bar
  - Working temperature: 5-60 °C
  - Filtering grade: 5µ
  - Filter capacity: 60 ml
  - Lubricator capacity: 90 ml

#### Pressure gauge for 1500

- **Model:** 1500PG
- **Specifications:**
  - Pressure gauge for 1500

#### Pneumatic filter regulator and lubricator 1/2”

- **Model:** 1502
- **Specifications:**
  - Air inlet: 1/2”
  - Maximum working pressure: 9.5 bar
  - Air consumption: 2.300 l/min
  - Working pressure: 0.5-8.5 bar
  - Working temperature: 5-60 °C
  - Filtering grade: 5µ
  - Filter capacity: 100 ml
  - Lubricator capacity: 160 ml
**1503** Pneumatic filter regulator and lubricator 3/4”

- Air inlet: 3/4”
- Maximum working pressure: 9.5 bar
- Working pressure: 0.5-8.5 bar
- Working temperature: 5-60 °C
- Filtering grade: 5µ
- Filter capacity: 100 ml
- Lubricator capacity: 160 ml
- Air consumption 2500 l/min

**1506KZ7** Coupling, female part

- Metal housing
- Outside thread
- Inside hole diameter ø 7 mm

<table>
<thead>
<tr>
<th>Part No.</th>
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<th>D</th>
<th>Qty</th>
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<tbody>
<tr>
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<td>58</td>
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**1506KZ10** Coupling, female part

- Metal housing
- Outside thread
- Inside hole diameter ø 10 mm

<table>
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</table>

**1505** Spiral pneumatic hose

**1507Z7** Coupling, male part

- Outside thread
- Inside hole diameter ø 7 mm

<table>
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<th>Part No.</th>
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<th>Qty</th>
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<tbody>
<tr>
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<td>618483</td>
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</table>

**1507Z10** Coupling, male part

- Outside thread
- Inside hole diameter ø 10 mm

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Size</th>
<th>L</th>
<th>Qty</th>
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<tbody>
<tr>
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**1506KN7** Coupling, female part

- Metal housing
- Outside thread
- Inside hole diameter ø 7 mm

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Size</th>
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<th>Qty</th>
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<tbody>
<tr>
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